

APPENDIX C - Example Computations for Cost Sharing on a
Hurricane and Storm Damage Deduction Project

| <u>Shore Ownership</u> | <u>Public Shores</u> | | <u>Public or Private Shores</u> | | <u>Private Shores</u> | <u>Total</u> |
|------------------------------------|----------------------|------------------------|---------------------------------|----------------------------|-----------------------|--------------|
| | <u>Federal</u> | <u>Non-Fed. (Park)</u> | <u>Deval'd Public Use</u> | <u>Deval'd No Pub. Use</u> | <u>Not Deval'd</u> | |
| <u>Reach</u> | 1 | 2 | 3 | 4 | 5 | |
| <u>Length (1)</u> | 1,000 | 5,000 | 10,000 | 3,000 | 1,000 | 20,000 |
| <u>Benefits</u> | | | | | | |
| <u>Damage Reduction Facilities</u> | \$2,000 | \$2,000 (3) | \$13,000 | \$4,000 | \$0 | \$21,000 |
| <u>Land Loss</u> | 3,000 | 4,000 | 3,000 (4) | 1,000 (4) | 3,000 | 14,000 |
| <u>Recreation (2)</u> | (2,000) | (9,000) | (7,000) | 0 | 0 | (18,000) |
| <u>Total</u> | \$5,000 | \$6,000 | \$16,000 | \$5,000 | \$3,000 | \$35,000 |

Federal Share:

| | | | | | |
|----------------------------|-------------------------|---|------|---|--------------|
| Reach 1 | $\frac{1,000}{20,000}$ | X | 100% | = | 0.050 |
| Reach 2 | $\frac{5,000}{20,000}$ | X | 50% | = | 0.125 |
| Reach 3 | $\frac{10,000}{20,000}$ | X | 65% | = | 0.325 |
| Reach 4 | $\frac{3,000}{20,000}$ | X | 0% | = | 0.000 |
| Reach 5 | $\frac{1,000}{20,000}$ | X | 0% | = | 0.000 |
| <u>Total Federal Share</u> | | | | = | 0.500 or 50% |

- (1) Assumes a relatively linear distribution of costs.
 (2) No costs assigned to recreation (benefits incidental).
 (3) Assumes facilities subject to damage serve recreation use.
 (4) Land component of developed properties subject to damage.